Types of Targeted Infrastructure Information
January 30,2009

Background

This paper addresses the following issues:

- What types of information on California waste management and recycling facilities should be covered in the Recycling and Waste Management Infrastructure Project (Infrastructure Project)?

- Which types of information should be reported publicly at the individual facility level, and which should be reported in aggregate to safeguard sensitive company information?

- What other types of information – beyond data on facilities – should be targeted?

The sections below present a preliminary approach to addressing each of these issues. The final section identifies key considerations related to defining targeted information under this project.

This preliminary approach will be revised based on stakeholder feedback by summer 2009. The project is scheduled to culminate in a new Recycling and Waste Management Infrastructure Project website on the Board's existing website in April 2010. All interested parties are encouraged to read the Project Overview and Vision and complete an online survey to ensure your voice is heard.

Targeted Facility Information and How it will be Reported

Table 1 below lists preliminary recommendations for the types of information on California waste management and recycling facilities to be gathered, and how each type of information would be reported through the Infrastructure Information Web Site. In short, publicly reported information would be limited to contact information, types of materials handled, size of facility measured in annual tons capacity, and types of activities taking place. Information on quantities, sources of supply, and other sensitive data would be treated as confidential and only reported in aggregate as a total/average of many firms in a given region, or used in non-public modeling calculations. See the project confidentiality policy (at http://www.ciwmb.ca.gov/Infrastructure/Project/ProjDocs/) for more details.

This facility information will be gathered through one of the following means:

- Wherever possible, data will be gathered from existing sources or by coordinating with ongoing Board data gathering activities. See Existing Infrastructure Information Sources for a preliminary list. At a minimum, existing sources will be used to develop and update an inventory of facilities.

- Facilities will be surveyed and/or provided with self-reporting capabilities to provide or update data periodically.

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- Where necessary for reporting aggregated data by region and for modeling calculations, key data gaps will be filled based on extrapolation and/or estimates. Such estimates will not be reported for specific facilities.

See Definition of Covered Industry Categories and Definition of Waste and Recyclable Material Categories for additional information on which types of facilities will be covered in the project.

Table 1 - Preliminary List of Targeted Facility Information

Facility-Specific	Public Information Will be publicly reported by facility.	Confidential Information[1] Will not be publicly reported by facility. May be reported as aggregated regional totals or used in non-public modeling calculations.
Facility Identification		
Facility Name and Location (Address, County, GIS locator)	X	
Facility Owner (Company Name, CIWMB Business Contact, Facility Info Contact, CA Affiliates)	X	
Facility Operator (Company Name, CIWMB Business Contact, Facility Info Contact, CA Affiliates)	X	
Contact for Data Updating	X	
Facility Description		
Facility Category and Subcategories (To Be Defined for this Project)	X	
Facility Photos	X	
Narrative Description	X	
Facility Age	X	
Total Capacity Information		
Maximum Current Annual Input Capacity (Year, Tons – All Materials)	X	
Recent Capacity Changes (amount, date, narrative description)		X
Planned Capacity Changes (amount, date, narrative description)		X
Estimated Theoretical Maximum Build-out Capacity at Current Site Assuming Permits Expandable (TPY)		X

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[1] See the project confidentiality policy for more details. Aggregate data will be reported at a level that ensures individual facility data cannot be inferred. Firms may elect to release data identified here as "confidential" or request that information identified as public be treated as confidential. Data available through public documents such as solid waste permits may be reported publicly.

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Facility Input Information		
▪ Material Types, Categories and Subcategories Accepted as Inputs	X	
▪ Current and Historical Annual Input Amount by Major Material Type and Total, Reported Separately for Disposal and Recycling		X
▪ Types of Sources by Percentage of Input (municipal contract, private contract, open market)		X
▪ Source Jurisdictions by % Total Input		X
▪ Posted Gate Fees (by material type, $/ton)	X	
▪ For Disposal Facilities: Percentage of Input Material Used as ADC or other facility maintenance applications	X	
Detailed Output Information		
▪ Current and Historical Total Annual Diversion Output by Major Material Type (year, amount)		X
▪ Current and Historical Total Annual Disposal Output by Major Material Type (Year, amount)		X
▪ Residual Composition Description (narrative)		X
▪ Destination by Location, Type of Facility and Percent Output		X
▪ Detailed Destinations by Material (company/facility, amount, location)		X
▪ Price (or Tip Fee) by Destination (by material, $/ton)		X
CIWMB Permit and Regulatory Information (If Relevant to Facility)		
▪ Type of Facility Permits (e.g., Solid Waste/Other, Status, Year, Permitted Capacity, Select other terms)	X	
▪ Covered in State Programs (i.e., Used Oil, DOC)	X	
▪ SWIS System Names and Numbers at site	X	
▪ SWIS Characteristics (e.g., Material Limits, Reports)	X	
▪ Other CIWMB Permit Data	X	

Other Types of Targeted Information

In addition to information on waste management and recycling facilities, the Infrastructure Project will also gather and report other related information types. As listed in Table 2, these include information related to waste generation and infrastructure needs modeling, GIS overlay data and related Board program data. The Board will continue to provide a wide range of information on its expansive website that is not directly included in the Infrastructure Information System being developed under this Project. See the Approach to Modeling Waste Generation and Infrastructure Needs and Approach to Designing the Infrastructure Information Web Site for more details on those elements of the project.

Table 2 - Preliminary List of Targeted Non-Facility Information

Information Category	Report for Each Facility	Report at County/Regional Level or Use in Modeling Calculations
Non-Facility Modeling Inputs		
■ County Population		X
■ Current, Historical and Projected Economic Data by County (e.g., Retail Sales, employment)		X
■ Current Waste Composition Data by Region (CIWMB) and as available by Jurisdiction		X
Modeling Outputs (Based on baseline data & user-defined scenarios)		
■ Projected Baseline Waste Generation and Composition by County and Region		X
■ Projected Infrastructure Shortfalls (TPY by major material category and facility category)		X
■ Projected Infrastructure Facilities Needed to Address Shortfall (Number of Facilities, Assumed Capacity, Approx Geographic Range, Caveats Related to Material Flow)		X
GIS Overlays		
■ Recycling Market Development Zones		X
■ State Enterprise Zones		X
■ Local Land Use Zoning Status (if available)		X
■ Transportation Infrastructure (e.g., roads, highways, rail lines & spurs, ports, etc.)		X
■ Photos/Google Earth		X
Select CIWMB and Other Information Types		
■ CIWMB LAMD contacts and links		X
■ Local Enforcement Agency Contact		X

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Information Category	Report for Each Facility	Report at County/Regional Level or Use in Modeling Calculations
■ Local government contacts and links		X
■ Program specific documents/data TBD	X	X

Considerations for Determining Information Priorities

In developing the above preliminary recommendations, Board Staff and R.W. Beck took into account the following considerations.

Direction Given in the Board-Approved Scope of Work

The Board's Request for Proposals for the project identified these basic types of information to be included:

- Identification and description of baseline disposal and diversion facilities
- Materials measurement metrics such as permit data, actual throughput and maximum expansion capacity
- Destinations for included material types on a regional (i.e., county or multi-county) basis including exported material
- Projections for future solid waste generation (disposal and diversion) and infrastructure needs for total and major material categories based on projected demographic trends and on user-defined model scenarios

Board Direction on Periodically Updating the System

Upon awarding the contract, the Board directed Staff and R.W. Beck to ensure that the system can be updated on a regular basis (probably annually or biennially). This implies that the scope of the targeted information must be reasonably matched with anticipated Board resources, the availability of data through existing programs and the willingness of facilities to provide data to the Board.

Confidentiality Concerns

Addressing concerns over the release of confidential information is expected to be critical to successfully gathering data from facilities. The Project Team is committed to establishing procedures that ensure no confidential company information is released. See the next section and the preliminary confidentiality policy (at http://www.ciwmb.ca.gov/Infrastructure/Project/ProjDocs/) for more details.

Aggregation by Geographic Region, Material Categories and/or Industry Categories

Confidential facility information will never be released publicly. However, such information may be reported as aggregated totals or averages in a way that does not allow the reader to infer facility-specific data. Usually data will be aggregated by county or broader regions comprised of counties. The size of the region may vary by facility type, for example, because the region must

be large enough to include a sufficient number of facilities to mask company-specific data. Information may also be aggregated across multiple industry categories or material categories.